

REMARKS

Claims 1, 4, 5, 7, 8, 10, 11, 13-23, 25-29, and 31-33 are pending.

Reconsideration of the application is respectfully requested for the following reasons.

In the Office Action, claims 1-4, 7, 8, 10-36, and 41-44 were rejected under 35 USC § 102(e) for being anticipated by the Huang patent. Applicants request the Examiner to withdraw this rejection for the following reasons.

Claim 1 has been amended to recite:

- (a) a first voltage source to charge the panel to a first polarity voltage,
- (b) a second voltage source to charge the panel to a second polarity voltage different from the first polarity voltage,
- (c) a third switch arranged between the first voltage source and the panel,
- (d) a fourth switch arranged between the second voltage source and the panel, and
- (e) during at least a period of driving the plasma display, the first switch and the fourth switch are turned on together or the second switch and the third switch are turned on together. See, for example, Figures 7, 13, 15, and 18 for support.

The Huang patent does not disclose or suggest these features. Huang only discloses a timing diagram and a waveform diagram representing ON/OFF timing of each switch shown in Figure 6 and a voltage applied to the panel capacitor shown in Figure 7. But, Huang does not disclose a timing diagram and a waveform diagram representing an ON/OFF timing diagram of each switch in Figure 10 and a voltage applied to the panel capacitor. Moreover, Figure 7 of Huang does not disclose the feature in (e) above.

Because the Huang patent does not disclose all the features of claim 1, it is respectfully submitted that the Huang patent does not anticipate claim 1 or any of its dependent claims.

Claim 7 has been amended to recite that the inductor stores energy recovered from the panel capacitance and that a sustain voltage applied to the panel capacitance is clamped at a predetermined voltage when the second switch is on “and current of the inductor is increased or decreased prior to discharging of the panel capacitance.” (See, for example, Figures 7, 13, 15, and 18 for support). The Huang patent does not disclose or suggest these features. Furtherance of claim 7 and its dependent claims to allowance is therefore respectfully requested.

Claim 25 has been amended to recite that “the clamping circuit increases or decreases energy of the inductor coil prior to discharging of the inter-electrode capacitor.” (See, for example, Figures 7, 13, 15, and 18 for support). The Huang patent does not disclose or suggest these features. Furtherance of claim 25 and its dependent claims to allowance is therefore respectfully requested.

Claim 5 was rejected under 35 USC § 103 for being obvious in view of a Huang-Iseki combination. Applicants traverse this rejection on grounds that neither reference teaches or suggests the features added by amendment to claim 5, namely that the “current of the inductor is increased or decreased prior to discharging of a display capacitance.” Furtherance of claim 5 to allowance is respectfully requested.

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and timely allowance of the application is respectfully requested.

Reply to Office Action of Aug. 13, 2009

To the extent necessary, a petition for an extension of time under 37 CFR § 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,
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